### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

### (19) World Intellectual Property Organization International Bureau



# 

#### (43) International Publication Date 14 October 2004 (14.10.2004)

#### **PCT**

### (10) International Publication Number WO 2004/088187 A1

(51) International Patent Classification7:

F16K 24/04

(21) International Application Number:

PCT/IL2004/000258

(22) International Filing Date: 23 March 2004 (23.03.2004)

(25) Filing Language:

English

(26) Publication Language:

**English** 

(30) Priority Data: 155180

1 April 2003 (01.04.2003)

(71) Applicant (for all designated States except US): A.R.I. FLOW CONTROL ACCESSORIES AGRICUL-TURAL COOPERATIVE [IL/IL]; Kibbutz Kfar Charuv, D.N. Ramat Hagolan 12932 (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KATZMAN, Youval [IL/IL]; 9 Yigal Alon Street, Zichron Yaacov 30900 (IL). KANDANYAN, Mordechai [IL/IL]; Kibbutz Kfar Charuv, D.N. Ramat Hagolan 12932 (IL).

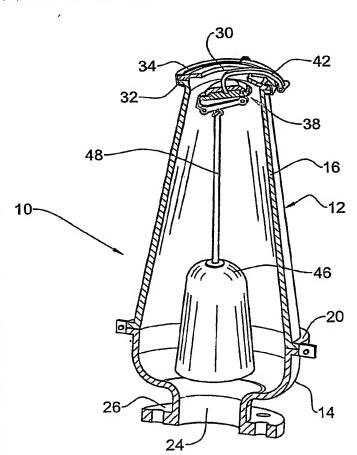
(74) Agent: REINHOLD COHN AND PARTNERS; P.O. Box 4060, Tel Aviv 61040 (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: GAS PURGE VALVE



(57) Abstract: A gas purge valve comprising a housing (12) formed with an inlet (24) and an outlet (30) formed with a valve seating (54), and a sealing assembly (38) comprising a sealing member (70) displaceable between an open position and a closed position. The sealing assembly (38) is supported by an external support lever (42) mechanism extending outside the housing (12), to thereby displace the sealing assembly (38) into sealing engagement with the valve seating at the closed position.

## WO 2004/088187 A1



Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.